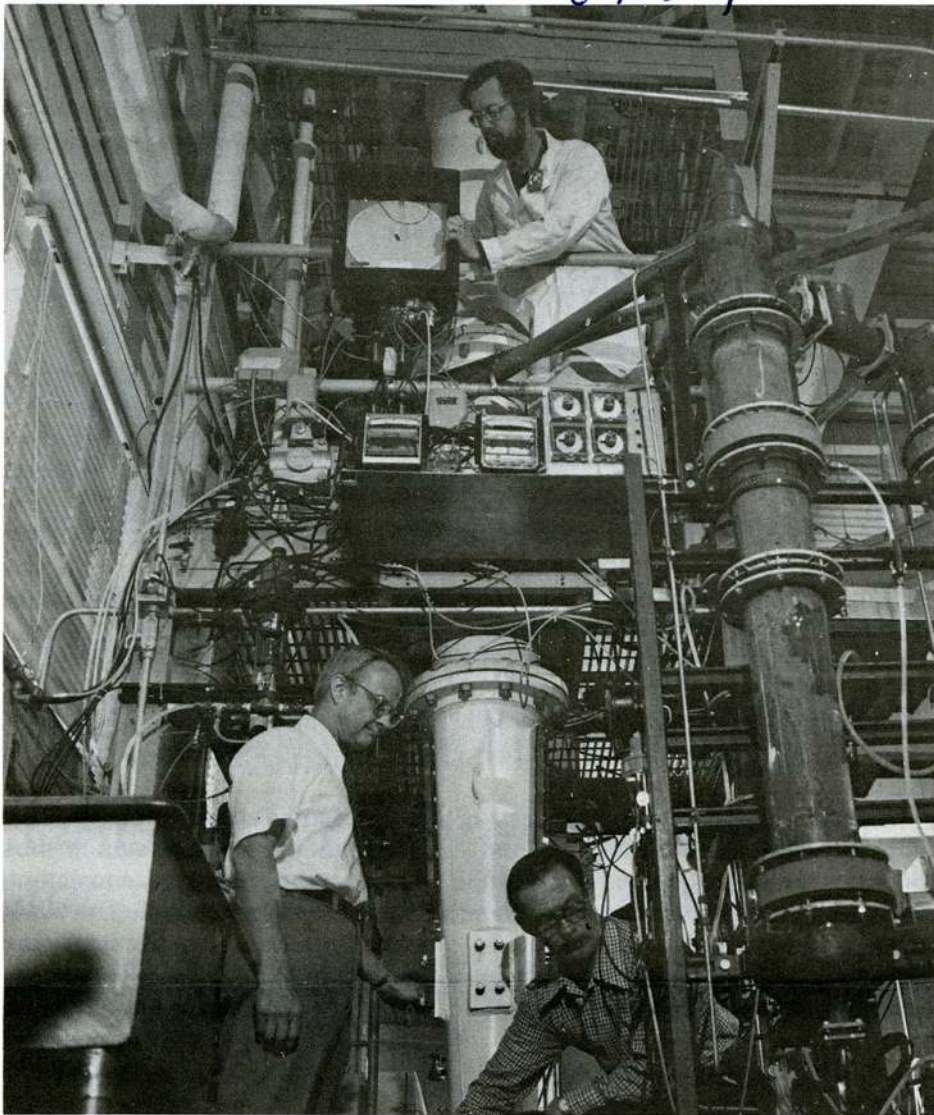


## Charles D. Scott named to receive Lawrence award



**AWARD WINNER**—Charles D. Scott, left, will be awarded the E. O. Lawrence award later this month for outstanding contributions in the field of atomic energy. He is seen with Douglas D. Lee, at top, and Charles W. Hancher, co-developers of the Tapered Fluidized-Bed Bio-reactor, an advancement that took an IR-100 award in 1979. The Lawrence award also went to four other scientists this year.

### DOE's Sawhill among speakers at energy symposia series in Knoxville

Energy experts from all over the world will meet in Knoxville October 14-17 for the International Energy Symposia Series. John Sawhill, Deputy Secretary of the U. S. Department of Energy; OPEC Secretary-General Rene Ortiz; McGeorge Bundy, former President of the Ford Foundation and National Security Advisor to Presidents Kennedy and Johnson; and more than 60 international energy experts, government and industrial leaders and scientists will attend the first of three energy conferences.

The series, sponsored by the U. S. Department of Energy, the International Energy Agency in Paris, and the Tennessee Valley Authority, is being held as a part of the energy-themed 1982 World's Fair. The purpose is to identify energy issues, determine and recommend solutions, and report findings to an international diplomatic congress. The

second symposium will be held in June, 1981, and the third in May, 1982, during the World's Fair itself.

Participants will be from major consuming and producing nations and less developed countries and will represent diverse viewpoints on energy issues. The series has been called the most important global energy conference yet held.

The series is being staged at the Hyatt Regency Hotel, and a gallery of observers from around the world will view the events.

A series of tours of energy-related projects in East Tennessee has also been arranged as a part of the symposium. The visitors will tour a coal-fired electric generation plant, a hydro-electric generation plant, Oak Ridge National Laboratory, an alcohol/gasohol facility, strip mining operations, a solar homes demonstration project and a water resources laboratory.

Charles D. Scott, associate director of ORNL's Chemical Technology Division, has been named one of five scientists to receive the 1980 Ernest Orlando Lawrence Memorial Award for outstanding contributions in the field of atomic energy.

Recipients of the award receive a medal, a citation and \$5,000. Other winners this year are Donald W. Barr, Los Alamos Scientific Laboratory; B. Grant Logan, Lawrence Livermore National Laboratory; and Nicholas P. Samios and Benno P. Schoenborn, of Brookhaven National Laboratory.

The awards, established in 1959 to honor the memory of E. O. Lawrence, inventor of the cyclotron and director of two laboratories named for him in Berkeley and Livermore, Calif.

The awards are presented to citizens who have made "recent meritorious contributions to the development, use or control of atomic energy." They will be presented to the five scientists formally October 16 in a special ceremony.

#### Fuel processing

Scott was cited for the innovation and application of chemical engineering principles to the development and deployment of chromatographic separations systems. Also cited were his work in advanced analytical and bioanalytical instrumentation and for his significant contributions to nuclear fuel processing.

A native of Chaffee, Mo., Scott recently was named a Fellow in the

American Institute of Chemical Engineers. He has received four national "I-R 100" awards, presented by the magazine *Industrial Research/Development*, for his work on advanced analytical systems and process developments.

He holds a BS degree in chemical engineering from the University of Missouri and a PhD in chemical engineering from the University of Tennessee. He joined Union Carbide in 1957, and since 1970 has been a professor of engineering science at UT.

#### Involved in research

Scott is a recognized authority in the application of chemical and engineering principles to the development and deployment of chromato-

(Please see page 8)

### Do not attach anything to badge

Many employees are displaying their United Way "Fair Share" pins on their identification badges. The Plant Protection Division has asked that we do not wear them in this fashion. Putting the pins on our badges could disrupt the dosimetry readings. It is recommended that nothing be added to our badges.

### ORNL Family Day to be November 8

Family Day at ORNL is planned for Saturday, November 8, 1980, from 10:00 a.m. until 4:00 p.m. All Nuclear Division employees and retirees and their families will be invited to visit selected ORNL facilities at both the X-10 and Y-12 sites.

Watch future *Nuclear Division News* issues for more information about ORNL Family Day 1980.

### In this issue...

The National Environmental Research Park in Oak Ridge is dedicated today. Ruth C. Clusen, DOE's Assistant Secretary for Environment will officiate at today's ceremonies. Story on page 3.

Other features in this issue:

*Medicine Chest* ..... page 2

*SME honors Joe Hall* ..... page 3

*Question Box* ..... page 4

*Technical Management Center key appointments told* ..... page 5





## Medicine Chest

# Are Pap tests needed annually?

by T. A. Lincoln, M.D.

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," NUCLEAR DIVISION NEWS, Building 9704-2, Stop 21, Y-12, or call the news editor in your plant, and give him or her your question on the telephone.)

QUESTION: I'm confused. My doctor always recommended an annual Pap test, but now the American Cancer Society is saying that it isn't necessary. Who are we to believe? Please explain.

ANSWER: You are not the only one who is confused. There is quite a controversy currently brewing between many gynecologists and the Cancer Society.

First, it is essential that you read and understand the published recommendation; what has appeared in the media has often been incomplete. The quotation below has been edited slightly, and explanatory comments have been added in parentheses.

"The Society recommends that all asymptomatic (healthy — no known

disease of the cervix or uterus) women age 20 and over, and those under 20 who are sexually active, have a Pap test annually for two negative examinations and then at least every three years until the age of 65. A pelvic examination should be done as part of a general physical examination every three years from age 20 to 40 and annually thereafter.

### Two forms of cancer

"Women who are at a high risk of developing cervical cancer because of early age at first intercourse, multiple sexual partners or other risk factors may need to be tested more frequently. Women who are relatively inactive sexually may prefer a less frequent interval. Women are at a high risk of developing endometrial (lining of the womb) cancer if they have a history of infertility, obesity,

abnormal uterine bleeding, or are on estrogen therapy."

The reasoning behind these recommendations is as follows: dangerous (invasive) cancer of the cervix (ICC) is preceded by a superficial and less malignant form of cancer called carcinoma-in-situ (CIS). This less malignant and easily treatable and curable form may be present for many years before it becomes invasive. A negative Pap test then means that another test should not be needed for a longer interval. If CIS lasts an average of eight years, as many experts believe, then testing every three years should be adequate. About five percent of the cases of CIS may pass rapidly into ICC, and these would be missed at the less-frequent interval. It has been estimated that performing the test every three years delivers about 96.5 percent of the increase in life expectancy delivered by the annual test.

### Detection of ovarian cancer

The cost of a Pap test that is done when another examination is not necessary is appreciable, when so little benefit is obtained. Dr. David Eddy of ACS estimated that the costs of additional office visits and Pap tests would be over \$70 million per year.

The pelvic examination that is usually performed with the Pap test might enable the detection of an early and still curable cancer of the ovary. The problem is that the detection rate for early ovarian cancer is low. Also, there is little evidence that

early detection of cancer of the ovary improves the ultimate prognosis.

### False negative tests

The reason for the controversy is the uneasiness about false negative Pap tests. If the test is done perfectly, the false negative rate should be low. The specimen must be properly collected; there must be no other factors, such as infection, that confuse the picture; the technician who stains the slide and does the initial screening must be meticulous, patient and skillful; and the cytopathologist who reviews all suggestive slides found by the technician must be highly skilled and persistent. Many experts realize that CIS or ICC cells can be missed. There have been several reports of women developing invasive cancer after having had a Pap test in the previous year. The false negative rate may be as high as 30% percent.

With such a high false negative test rate, many physicians feel that performing Pap tests oftener than every three years is the only safe way. There is also an uneasy feeling about the length of time CIS exists before it becomes invasive cancer and also the rare possibility that invasive cancer may begin as such and not go through the in-situ phase.

It certainly appears that reducing the frequency of Pap tests in those women who have had consistently negative tests is justified. The "safe" level is hard to define, because it is so dependent on each individual physician's skill and judgment.

## News About People



Headrick

Ronnie L. Headrick, an ORGDP fire truck driver, has been named an honor graduate of the Paramedic Program by the State Technical Institute. More than 600 hours of training are required to become a paramedic, and Headrick has devoted most of his off-duty time during the past four years toward this achievement. He also worked parttime with the Blount County Rescue Squad.

Headrick is now halfway through a six-month internship at a local hospital emergency room under the supervision of a physician or registered nurse. After this course, he must undergo a comprehensive examination to receive final certification from the state of Tennessee. Paramedics have proved to be very helpful in

treating heart attack and accident victims in the field. They can identify cardiac arrhythmia and other conditions. With direct voice contact to the emergency room physician, they can give necessary drugs and treatments as ordered by the doctor.

Headrick and his wife, Karen, live in Friendsville.

\* \* \*



Crump

Stephen P. Crump has been registered in the state of Kentucky as a professional engineer. He is in Paducah's Civil and Architectural Engineering Department. Crump is a graduate of the University of Tennessee, and joined Union Carbide in 1976. He lives on College Avenue, Paducah.



Bill Mortimore and Robert L. Vaughn

Bill Mortimore, Product Certification at Y-12, is chairman-elect of the Knoxville-Oak Ridge Chapter 107 of the Society of Manufacturing Engineers. SME is a professional society with 55,000 members in 45 countries and is dedicated to the continuing education of manufacturing engineers. There are 217 local and 87 student chapters throughout the world. Mortimore was recently welcomed to the world headquarters of SME near downtown Detroit by Robert L. Vaughn, vice president of SME. He was among 111 newly-elected chapter leaders who attended a "Chapter Day" conference focusing on successful chapter management techniques.

## Materials, Services sets poster contest

In an effort to keep safety present in the minds of employees and their families, the Y-12 Plant Materials and Services Division is organizing a safety poster contest. The theme of the contest will be "Time for Safety," and it is open to all employees in the division and their immediate families, with several awards to be presented in various age groups. Details will be distributed to division employees shortly.

The Materials and Services Division has an established safety record of no lost-time accidents in over five years. The "Time for Safety" contest will be covered by Nuclear Division News.

## Fire safety tips

Know how to act in case of a fire emergency. If your clothing catches fire, "stop, drop and roll" to smother the flames. Never run; this only fans the flames, making them worse. If someone else is on fire, the "stop, drop and roll" rule still holds. Grab the person, get him or her down on the floor or ground and rolling over and over until the flames are out.

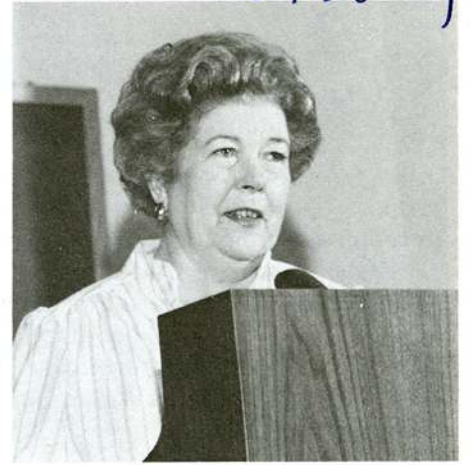


## Research park dedication set 0988-79

Ruth C. Clusen, DOE Assistant Secretary for Environment, will participate in dedication ceremonies for the Oak Ridge National Environmental Research Park (NERP) today, October 2. The program will be held outside ORNL's Environmental Sciences Laboratory at noon.

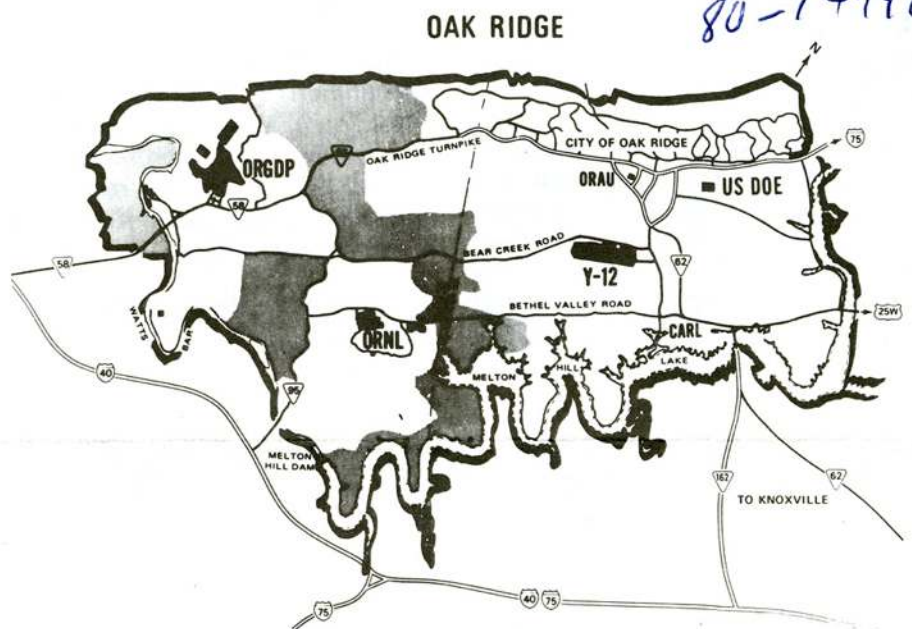
NERPs are established under DOE to provide protected land areas for research and education in the environmental sciences, and to demonstrate that environmental quality can be compatible with energy technology development and use.

Portions of the Oak Ridge reservation were officially designated by DOE as a research park on June 5, 1980. The Oak Ridge NERP became the fifth in a network of parks located at government site across the U.S. The other are at Los Alamos, N.M.; Idaho Falls, Idaho; Hanford, Wash.; and Aiken (Savannah River), S.C.



Ruth C. Clusen

Following the dedication, a multimedia program entitled "The Oak Ridge NERP," will be shown in the ESL auditorium. Chester R. Richmond, ORNL associate director for Biological and Environmental Sciences, will preside.



**RESEARCH PARK**—Approximately 13,500 acres of woodland in the Oak Ridge area have been declared a National Environmental Research Park and will be dedicated today.

## About People

Martin S. Lubell, head of the magnetism and superconductivity section in ORNL's Fusion Energy Division, has been elected to a six-year term on the Cryogenic Engineering Conference Board.

The nine-member board, composed equally of representatives from industry, government and universities, is responsible for the organization and administration of Cryogenic Engineering Conferences, held every other year at various locations across the country. Lubell's

term will include the 1981, 1983 and 1985 conferences.

Lubell, who holds a BS degree from the Massachusetts Institute of Technology and an MS degree in physics from the University of California at Berkeley, came to the Fusion Energy Division in 1967. He was appointed to his present position in 1976 following two years as assistant manager of the division's Superconducting Magnet Development Program.

He and his wife, Berni, live at 126 Wendover Circle, Oak Ridge. They have one son, Darry.

## Safety Scoreboard

Time worked without a lost-time accident through September 25:

Y-12 Plant.....	3 Days	120,000 Employee-Hours
ORGDP .....	6 Days	144,200 Employee-Hours
ORNL .....	137 Days	3,224,029 Employee-Hours
Paducah.....	58 Days	556,000 Employee-Hours



**OFFICIAL CITATION**—The Society of Manufacturing Engineers cited the Nuclear Division at a special luncheon last week. A resolution, praising Joseph C. Hall, right, who has just completed a successful term as national president of the society. The citation was presented to Roger F. Hibbs, President of the Nuclear Division, by R. William Taylor, center, Executive Vice President and General Manager of SME.

## ORGDP's Hall recognized for successful SME term

Joseph C. Hall, superintendent of Plant Services at ORGDP, has been cited by the Society of Manufacturing Engineers, as he closes his successful term as president of the national society.

In a luncheon last week, R. William Taylor, executive vice president and general manager of SME, presented Roger F. Hibbs, President of the Nuclear Division, a citation from the board of directors. The resolution reads as follows:

"The Nuclear Division of Union Carbide Corporation has shared with this Society the outstanding services and talents of its superintendent of maintenance engineering,

"...this has resulted in the full, active and fruitful participation in this Society by Joseph C. Hall, culminating in his serving as 1979-80 President,

"The Board of Directors of this Society, gathered for its annual meeting in Cleveland, Ohio, this 28th day of April, 1980, does hereby recognize this as exemplary support by a corporation of the profession of manufacturing engineering,

"Be it resolved that this Resolution of Appreciation be conveyed to the Management of the Nuclear Division, Union Carbide Corporation by the Secretary of this Society."

According to the SME, Hall did an "exceptional job as president in 1979-80 of the 55,000 member international society. When he came into office SME was a \$9 million per

year organization of less than 50,000 members. By the time he left office a year later, our income had advanced to \$13 million and membership had surpassed the 55,000 mark."

The SME officials continued, "He led in the creation of a new association of SME—Robotics International. He spent his weekends meeting with and providing guidance to leaders of SME regions, zones and subzones throughout the country. He used vacation time to visit 10 SME chapters in the Pacific—from New Zealand to Taiwan, as well as to organize three additional chapters in Mexico. No president in SME's 48-year history has done more to benefit the Society."

Hall joined SME in 1961, and is a past president of the Knoxville-Oak Ridge Chapter. At the regional level, he has held all elective offices including chairman of SME's Region 5, an area covering 15 states. He has served as society secretary, treasurer and vice president for five terms. He is also a past chairman of the organization's international administrative council and of the international membership committee.

During the current year, Hall will serve on the Society's exposition committee, chair the nominating committee and serve another year as a director.

A graduate of Oklahoma State University, Hall and his wife, Jere, live in Kingston. They have two children, Andrea and James.



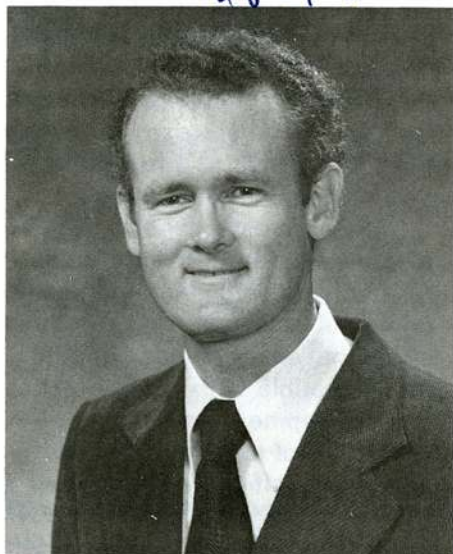
# Cooke appointed section head in ORNL Solid State Division

John F. Cooke has been appointed head of the solid state theory section in the Solid State Division at ORNL.

In his new position Cooke is responsible for a diverse theoretical research program that covers a wide variety of disciplines and interests. This diversity in theoretical research results from a close collaboration of the theorists with different types of experimental programs in the Solid State Division.

The research includes investigations of surfaces, lattice dynamics, alloy systems, electronic properties of solids, magnetic properties of solids, particle-solid interactions and laser annealing. The close collaboration with experimentalists leads to state-of-the-art investigations and relevant extensions of existing theories, as well as the development of new concepts, theories and procedures that are applicable to both current and future experimental investigations.

Cooke received the Ph.D. degree in physics from the Georgia Institute of Technology in 1965, and after a year of postdoctoral research at AERE, Harwell, England, he joined the ORNL staff in 1966. His theoretical research has included many topics in the areas of magnetism and super-



John F. Cooke

conductivity, and it has been closely associated with the experimental neutron scattering program of the Solid State Division.

He has gained international recognition for his recent research involving itinerant magnetism in the iron-group metals, and he has been invited to discuss this research at both national and international scientific conferences.

Cooke, his wife Ivy, and their three children live at 113 Norway Lane in Oak Ridge.

## Question Box

### Can something be done about women in change houses?

QUESTION: Last year you answered a question concerning women changing clothes in men's change houses. Can something be done about laundry personnel, janitors, etc. (women), always being in the change house when you want to use it?

ANSWER: Janitorial and laundry personnel are scheduled to perform their required work in the change houses at times when they are least in use. They particularly try to avoid shift change times. Whenever women janitors or laundry washers are in men's change houses, signs announcing their presence are posted at the entrances to the change houses.

9704-2 have been noted by a number of employees and was reported to the Y-12 Maintenance Services Department. Action has been taken by the Building Services group which should eliminate this annoyance. If rats are observed again, it should be reported to the Building Services Department, telephone number 4-0458.

#### University grants

QUESTION: Why is Union Carbide not among the more than 600 major American corporations that match employee gifts to the colleges and universities from which they graduated?

ANSWER: Rather than making contributions through "matching gifts," Union Carbide has elected to make grants directly to colleges and universities. In 1979 these grants totaled approximately \$1,100,000. This was considerably more money than would have resulted from "matching gifts."

#### Rats in Y-12

QUESTION: Can anything be done about the rats near the steps of 9704-2 in Y-12? Several mornings they have run under my feet, scaring me very much.

ANSWER: The appearance of these rodents on the steps north of

## Surplus sale set at Paducah

The Paducah Plant has set a surplus sale for early October. Included in the sealed bid articles are three tow tractors, two forklifts, 10 pickups, four sedans, one panel truck, one station wagon and one 35-ton

crane truck.

The bids will be opened at 1 p.m. October 9. Additional information may be obtained by calling PAX 686, or Bell 282.

## John Nicol, ORGDP, named to corporate position

John D. Nicol, ORGDP plant manager's staff in charge of reliability studies, has been named assistant corporate director for Safety and Loss Control for Union Carbide Corporation.

Nicol joined Union Carbide at the Paducah Plant in 1952, as head of the Maintenance Engineering Department. He later transferred to ORGDP as superintendent of the Cascade Maintenance and Shops Maintenance Division.

A native of Robinsdale, Minn., he has a BS degree in mechanical engineering from the University of Minnesota and a MS in business administration from Murray State University.



He and his wife, the former Joan Douglas, have two sons, Bruce and Mark.

## Recent Retirements



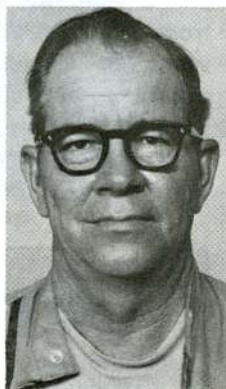
Quittman D. Yates  
Cascade Operations  
Paducah  
27 years service



Aaron Benton  
Plant & Equipment  
ORNL  
36 years service



Raymond W. Davis  
Converter Shop  
Paducah  
25 years service



Paul L. Burks  
Cascade Operations  
Paducah  
28 years service

UNION  
CARBIDE

## Nuclear Division News

UNION CARBIDE CORPORATION  
NUCLEAR DIVISION  
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Oak Ridge, Tenn. 37830

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INTERNATIONAL ASSOCIATION OF BUSINESS COMMUNICATORS



## Around the alleys...

### Family Mixed...

After two weeks of bowling, the Oops lead by one point over the Pin Ups. Weekly scratch scores went to John Brown with a 487 for the men. Ruth Hardin rolled a 491/683 handicap series for the women. The Pin Ups rolled the high handicap series with a 2385. R. B. Amos, Oops, rolled a 632 high handicap series.

### Monday Mixed...

Free Spirits are leading over the Four Eagles and Alley Oops in the Monday Mixed League. High scratch scores are currently held by C. W. Moore, Pacesetters, with a 562 series. C. M. Womack, Four Eagles, rolled a 540 series for the women. High scratch game is held by J. Goodman, Roadrunners, with a 226 for the men. P. C. Green, Free Spirits, rolled a 213 for the women.

### Y-12 Classic...

After three weeks of bowling, the All Stars lead by one point over the Playboys in the Classic League. Ray Smith, Ridgers, rolled a 268/287 high game; and a 636/693 high series. Joe Morgan, also from the Ridgers, had a 269 handicap game. Del Ducay currently holds the high season handicap series with a 694.

### UCC Mixed...

The Alley Wreckers and Hit & Misses are tied for first place in the UCC Mixed League. The Split Images trail by one point. Al Gladson, Alley Cats, rolled a 559/652 high series to put him in first place for the season. Linda Burnett, Coneheads, currently holds the season high series with a 658 for the women.

### ORGDP Women's...

The Bowling Aces and Payoffs are tied after two weeks of bowling in the ORGDP Women's League. Carolyn Cornett, Mouse Chasers, was bowler of the week, rolling a 253-195-245 = 693 handicap series.

### K-25 Tuesday Men's...

The Mishaps have a 16-point lead over the City Slickers and Valve Shop who are tied for second place. Weekly scratch series went to J. L. Johnson, Valve Shop, for his 559/643 series. J. D. Luigs, City Slickers, rolled a 208 scratch game. D. W. Brown, City Slickers, rolled high handicap game of 242.

### Paducah retirees set wiener roast

The Paducah Plant retirees are planning a wiener roast in Noble Park Friday, October 3. All Union Carbide retirees are invited, whether they belong to UCRA or not. Hot dogs, marshmallows, bread and drinks will be furnished. All you have to bring is a chair and a stick for roasting hot dogs.

### Summer League ends...

The Carbide Family Mixed League ended its summer bowling recently with a NO-TAP tournament and awards night. The League championship went to the Smooth Strokes—consisting of Mary Johnson, Marvin Wilkerson, Jeannie Saffell and Wayne McLaughlin.

High game for women went to Arnetha Johnson for a 269 tally and to Charlie Hinton and Joe Gray, tying with a 267 each. High series went to Jeannie Saffell, 689; and to John Brown, 714 for men.

During the tournament, Ralph Conner, Oops, rolled a perfect 300 game....12 strikes in a row. The tournament was won by him, with an 807; and Betty Thompson, with a 777.

The roll-off between the two top teams in the tournament was taken by the ABC's, out-rolling the Oops. The ABC's consist of Betty Thompson, Joe Gray, Arnetha Johnson and Churchill Moore.

### K-25 Wednesday Men's...

The Destroyers lead the K-25 Wednesday Men's League over the Protectors and Sue's Sooners by four points. John Patton, Amps, rolled the high scratch game and series for the week with a 227/617. The Amps rolled a 1074 handicap game/2965 handicap series which moved them into first place for the season high game and third place for season series. Burl White rolled a 244 high scratch game the first night of bowling.

### ORNL "A"...

The Dynamics lead over Norm's Raiders in the ORNL "A" League. The Ten Pins won the weekly prize for high handicap series rolling a 2996. Bob DeBakker, Ten Pins, won high handicap series with a 644. Bob Forde, Ten Pins, rolled a 237 high handicap game. McCulloch, Limits, rolled a 213 scratch game.

### ORNL "C"...

The Pin Heads and Hit Men are tied for first place in the ORNL "C" League. The Alley Rads trail by one and one-half points. The Timberwolves won the high handicap series rolling a 2995. Fred Kappelmann III, Timberwolves, rolled a 690 high handicap series. Pike, Knuckleheads, won the high handicap game with a 272. Aldefer, Hit Men, rolled a 220 high scratch game.

### Patent Granted

Ralph Wright, ORGDP, for "Pre-Treatment for Molybdenum or Molybdenum-Rich Alloy Articles to be Plated."



**A SHIFT PICNIC**—The A Shift crowd at ORGDP enjoyed a picnic-barbecue recently at the Clark Center Recreation Park. This was the third such event, and after this year's successful venture, more will follow. Some of the activities included horseshoe pitching, dunking booth, sack race, greased pole climbing and greased pig catching.



80-3524



80-3524



80-3524



80-3524



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## Patent Granted

Ralph Wright, ORGDP, for "Pre-Treatment for Molybdenum or Molybdenum-Rich Alloy Articles to be Plated."

**A SHIFT PICNIC**—The A Shift crowd at ORGDP enjoyed a picnic-barbecue recently at the Clark Center Recreation Park. This was the third such event, and after this year's successful venture, more will follow. Some of the activities included horseshoe pitching, dunking booth, sack race, greased pole climbing and greased pig catching.



# Anniversaries

## Y-12 PLANT

35 YEARS

William E. Green and Martin L. Sullivan, both in the Guard Department.

30 YEARS

Ernest M. Neal, General Machine Shop; William E. Humphreys Jr., Research Services; Charles F. Chandler, Building, Grounds and Maintenance Shops; Joel S. Morgan, Process Maintenance; Ezra Ballard, Utilities Administration; and Henry R. Swallows, Chemical Services.

25 YEARS

William H. Holbert Sr., Coleman C. Wright and Robert C. Human.

20 YEARS

Marvin L. Sheffler and Jimmy E. Thompson.

## PADUCAH

25 YEARS

Jeff C. Vandeven, Virgil A. Smith Jr., Harland T. Kaler and R. Paul James Jr.

20 YEARS

Charles D. West.

## ORNL

35 YEARS

Norman L. Beeler, Plant and Equipment; Bertie F. Byrum, Metals and Ceramics; and James H. Morgan, Plant and Equipment.

30 YEARS

Neil M. Atchley, Metals and Ceramics; Avery E. Buckner, Plant and Equipment; Robert E. Coleman, Industrial Safety and Applied Health Physics; Arthur M. Frazier, Operations; Edward W. Hagen, Instrumentation and Controls; Thomas L. Hudson, Engineering; Peter Patriarca, Metals and Ceramics; and Garland Samuels Jr., Energy.

25 YEARS

Carl D. McNutt.

20 YEARS

Jack W. Kidd.

## ORGDP

35 YEARS

Joe E. Leinart Sr., Operations; Harace K. Tye, Maintenance; James E. Smith, Operations; Robert J. Campbell, Technical Services; Luther Acres, Arrants Alexander, Howard J. Rash, Alvin L. Sharp and Harry E. Graves, all of Operations; Joseph A. Walker, Finance, Materials and Services; Wayne D. Weatherford, James F. Wining, Thomas R. Slaughter, Henry C. Shanks and Ezra Hennessee, all of Operations; Kenneth W. Woody, Technical Services; Lemuel O. Bacon, Maintenance; Hansford H. Osborne, Purchasing; and Charles W. Watson, General Accounting.

30 YEARS

David Gray, Enrichment Technology.

25 YEARS

Mary M. King and Roderick F. Creigh.

20 YEARS

Dean A. Waters.

## McFarland, McNutt promoted at Y-12

19629 196208

Stephen D. McFarland has been named a maintenance supervisor in Y-12; and Richda D. McNutt has been promoted to an employee relations representative.

McFarland, a native of Greeneville, graduated from Tennessee Institute of Electronics and attended the University of Tennessee. He joined Union Carbide in 1968 after working with Texas Instruments.

He and his wife, the former Gail Sparks, live at 9113 West Emory Road, Knoxville. They have two children, Stephanie and Dennis.

McNutt is a native of Clairfield and attended public schools in LaFollette. She was employed by Peoples



McFarland

McNutt

National Bank and Sharp and Parrott, Inc. before joining Union Carbide in 1973.

She and her husband, Alan, live at 183 North LaSalle Road, Oak Ridge.

## Savings Plan-Personal Investment Account

	Fixed Income Fund	UCC Stock	Equity Investment Fund
December 76	13.0553	59.2723	8.8166
December 77	14.2017	40.9096	8.0427
May 80	17.5301	40.7534	10.5271
June 80	17.6596	43.4691	10.7992
July 80	17.7883	44.7291	11.4957
August 80	17.8746	46.0592	11.5199

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 9.1% for 1980. Union Carbide stock values are the average cost of stock purchased during the month. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. The price of each unit is determined by dividing the total value of the securities by the number of units in the Fund.

## Paducah retirees hold picnic



The Paducah Plant Retirees gathered for a summer picnic at Noble Park recently. Virginia Donahoe, Sarah McIntyre, Lorraine Taylor and Margie Walker from Oak Ridge joined the Paducah group. New song books were obtained and distributed by Virginia Donahoe.





# Save Energy/ Share the Ride

## ORGDP

BUS RIDERS from Harriman, Midtown and Kingston to all portals, straight day. R. K. Hull, plant phone 6-0204, home phone Harriman 882-5618.

CAR POOL MEMBERS from Cedar Bluff, West Knoxville, to Portals 5 and 6, 8-4:30 shift. Larry, plant phone 6-2320, home phone Knoxville 690-0665.

BUS RIDERS from Oak Ridge, to Portals 2 and 4, 8-4:30 shift. Wayne, plant phone 4-8600, home phone Oak Ridge 483-9948.

## ORNL

CAR POOL MEMBERS from West Knoxville to East Portal. J. W. Nave, plant phone 4-4485, home phone Knoxville 690-4395; or J. W. Sims, 4-5926, or 693-8829.

FINAL CALL for riders on greyhound-type bus. Beginning October 1, the following route will be utilized: picking up passengers at Century Plaza, Cedar Bluff Shopping Center, Middlebrook Pike, (at Mars Hill Baptist Church and Shannondale Nursing Home), turns on Vanodale Road to Kingston Pike, Cloth World Shopping Center, across from Tennessee Highway Patrol Station. Stops at West, North and East Portals for 8:00 to 4:30 shift. Contact Victor Claiborne, 693-1168 (Knoxville), or E. L. Fair, 4-5723.

VAN POOL RIDERS from West Knoxville (Bearden to Farragut area) to any portal, 8-4:30. Dean Treadway, plant phone 4-6580; home phone 584-4879.

VAN POOL RIDERS from West Knoxville to South and West Portals, 8-4:30. W. L. Pattison, plant phone 4-6888; home phone 691-0781.

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

# Scott named to receive E. O. Lawrence award

(Continued from page 1)

graphic separations system and advanced analytical and bioanalytical instrumentation. He has made unique contributions to his profession and administers a large and diverse chemical engineering research and development organization.

He has contributed to the development of nuclear energy with the invention of processes for producing uranium feed materials, for nuclear reactor fuel reprocessing, and for coolant cleanup technology for high-temperature gas-cooled reactors. He was a pioneer in the application of chemical and engineering principles to develop high resolution, automated chromatography for the separation and analysis of the constituents of physiologic fluids.

In addition, he directed the development of centrifugal fast analyzers for the analysis of large numbers of components in many samples in the clinical laboratory. These develop-

ments have made possible many new discoveries concerning cancer, mental disorders, inborn errors in metabolism, and in effects of drug therapy.

He directs a team of scientists and engineers who are breaking new ground in the development of processes that use microorganisms for cleaning wastes, for producing and conserving energy, and for recovery of resources. Innovations in this field have begun to have impact on waste water treatment in the nuclear fuel cycle and for municipalities and industries.

Scott, in addition to being a Fellow of AIChE, is also a member of the American Chemical Society and the American Association of Clinical Chemistry.

He and his wife, Alice, live at 240 Louisiana Avenue, Oak Ridge. They have three children.

Other Nuclear Division staff members who have been honored



Charles D. Scott

with the Lawrence award are Alvin M. Weinberg, Floyd L. Culler, Paul R. Vanstrum, John M. Googin, John B. Storer, James R. Weir, Chester R. Richmond and Dean A. Waters.

RIDERS from West Knoxville, Concord area, to Portals 5 or 6, 8-4:30 shift. Lee Ford, plant phone 4-9711, home phone Knoxville 966-8331.

## Y-12 PLANT

FORM CAR POOL from West Adair, Cedar Lane areas, Knoxville, to North Portal, straight day. J. P. Dyer, plant phone 4-3403, home phone Knoxville 688-5481.

RIDE or JOIN CAR POOL from Silver Court Road, off Asheville Highway, to Central Portal, 7:30-4 shift. Brenda Mitchell, plant phone 4-2418, home phone Knoxville 637-7373.

FORM CAR POOL from Cedar Bluff Shopping Center to Post 4, or Central Portal, 8-4:30 p.m. Nelia Yarnell, plant phone 4-2219, home phone Knoxville 691-0623.

# Protecting your home from fire

(Editor's note: Fire Prevention Week is October 5-11. The following suggestions for protecting your home from fire were provided by the National Fire Protection Association.)

The greatest priority in fire safety is prevention. Do you keep your attic, basement, closets, garage and yard clean of rubbish?

**IN THE BASEMENT** - Paint, gasoline and other flammable fluids improperly stored are the cause of many home disasters. If they aren't involved in the start of a fire, they certainly add fuel to the flame. Furnaces should be checked and cleaned regularly. Safety controls, chimney and fuel connections should also be examined. Oversize fuses in the powerbox may save you a few cents - for a while, but they're not worth building a new house for. Have the wiring checked periodically.

**IN THE KITCHEN** - Unplug appliances when not in use. Don't leave pans of cooking grease or oils on the burners when not in use - it's so easy to turn on the wrong burner. Don't attempt to dry clothing on the stove. Use only safety matches, and store them securely. An approved fire extinguisher is a great item to have in case of a grease fire.

**IN THE LIVING ROOM** - Provide adequate ashtrays and ensure that the contents are safely disposed of before retiring. Don't use extension cords in place of proper wiring, and never run an extension cord under the carpet.

**IN THE BEDROOM** - Don't smoke in bed - the ashes that fall on the floor may be your own! Most bed fires were caused by people who thought they could never doze off with a cigarette in their hands.

In the case of a fire, the well-prepared household has a better chance of escaping injury.


In a matter of minutes, a rescue team can reach the scene, but it is important for each family to have a predetermined plan of escape. Every possible plan of exit from all areas of the house should be known by family members. Ensure that the exits are operational and that no windows or doors have been painted or nailed shut. Be aware of dangerous areas of your home, such as halls, stairways, etc., where fire and smoke can spread freely.

Set up a meeting place outside the home so no one will attempt to rescue a person already safe. Emphasize that the whole family should be out before calling the fire department. Occasional fire drills help produce a panic-free response should the real thing occur.

In the event of a fire, two of the most important things to remember in evacuating a burning building and preventing unnecessary damage are staying below the smoke level (crawling) and keeping windows and doors shut. The air from an open window or door will feed a fire and cause it to spread more rapidly. If you need to open a door, first feel it for heat. If it is cool, then open it, being sure you're braced to slam it shut in case of smoke or heat pressure.

If you cannot escape, take refuge in a room with a window. Open it on top and bottom for ventilation, and hang out a sheet to signal for help.

Everyone should know what to do in the event of a fire. The time involved in devising a few action plans is insignificant compared to a lifetime.



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